Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

3rd & Final Bill (For Other Works) Head of Account:

Division: EE Yalahanka Project Div Sub division: AEE Yalahanka Project Div

Bill Received No. ..... Date..... Cash Book Voucher No..... dated.....

Scheduled Docted No. Head of Account: P3295 (4th Finance Commission UGD works) Est cost: 75.00 Lakh

Name of Work (as per sanctioned estimate):- **Improvements to Sanitary works in Ward No.08, Kodigehalli**

Work Code: 008-18-000022

Name of Contractor and Full Address: **M/s KRIDL**

Reference to Work order No. EE(Project)/4thK Zone/W.O/38/2018-19 Dated: 13-12-2018

Certified that the measurement were taken by me on 12/01/2021 and recorded of pages: 220088 To 220094 of measurement Book No: 10/2018-19 and that the work is satisfactorily executed.

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Officer-In-Charge of work

Certified that the measurements were taken by me on 12.01.2021 are found correct and the work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Gross Bills 7339957.00
2) Deduct amount to be held in reserve being.....percent Rs.....	Recovery bill 5671046.00
3) Deduct amount to be held in Balance	current bill 1668911.00
4) Deduct Payments:	Deduction IT 33378.00
a) Amount of previous payment as in the office Cash Book Voucher No.....Dated .....S.D No.....	CESS 16689.00
Amount adjusted towards cash advance recovery of	CBF 1669.00
b) Payments cost store or other materials supplied	CLSS 14901.00
Now made recovery of amount creditable to this/other work	SCST 14901.00
Amount paid on this bill Cheque/Cash	Royalty 125440.00
5) Balance being unpaid value of work done held in reserve	FSD 83446.00
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... less adjustments	TDS deduction 290424.00
7) Net amount due to or from contractor Unadjusted items	net payable 1278489.00
8) Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied	

Contractor's Signature

Received Rs.

by cash and by adjustment of Payment as per memorandum

Witnesses:

1

2

Dated.....

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Stamp

Signature of Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

(For use in the Office)

Audited & Admitted for Rs.....

Rs. 16,68,911/-

Rs. 13,78,487/-

Paid by me by cheque No. ..... dated.....

Cast Rs..... dated.....

and Rs. 2,90,424/- by Adjustment

Executive Engineer

Initials of Officer making payment

Accts. Supdt.
Project Division
B.B.M.P.

18/1/2021

Exe. Engineer
Project Division
B.B.M.P

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BRUHATH BANGALORE MAHANAGARA PALIKE

PROJECT DIVISION-YALAHANKA

Bill No : 3rd and Final Bill

Job Code :- 008-18-000022

Name of Agency :- M/s KRIDL

Name Of work : - Improvements to Sanitary works in Ward No.08, Kodigehalli

Item No	Description of Item of Work	Unit	BOQ Qty	BOQ Rate	Previous Measurement		Present Measurement		Total Up do date		Remarks
					Qty	Amount	Qty	Amount	Qty	Amount	
1	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.18 of CSR 2018-19)	Cum	262.71	590.42	122.36	72,243.79	140.35	82,862.49	262.71	1,55,106.29	
2	Cutting road surfaces for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the classifications for:. in the following classifications.Cutting Asphalt Road (BWSSB SR 16-17, P.9 I No.16)	Cum	307.85	894.00	158.69	1,41,868.86	149.04	1,33,241.76	307.73	2,75,110.62	
3	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring,strutting, dewatering, etc. IN ALL KINDS OF SOIL MIXED WITH BOULDERS of 30 cms size, etc. for: Pipes of all dia. for depth upto 2.0 M in all types of soils(BWSSB SR 17-18, P.51, I No.1.1)	Cum	2985.07	167.00	2586.78	4,31,992.26	398.29	66,514.43	2985.07	4,98,506.69	
4	Supplying, lowering, laying, jointing, testing and commissioning of Glazed Stone Ware Pipes of following dia, conforming to IS 651:1992,IS 4127 with latest amendments, including conveying to work site, caulking with hemp dipped in tar and jointing with CM 1:1.5 using OPC, perfect linking and curing for 10 days and testing with water etc. with all lead, lifts and as per Technical Specifications. The cost to include the cost of all jointing materials, necessary survey works for laying of sewer lines etc. complete. The contractor will make own arrangements for procuring water for testing.230 mm dia. pipes(BWSSB SR 17-18, P.157 I.No 3.4)	Rmt	1678.20	523.00	1309.00	6,84,607.00	369.20	1,93,091.60	1678.20	8,77,698.60	

Contractor

Consultant

Assistant Engineer

Assistant Ex

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5	Labour charges for laying and jointing glazed stone ware pipes of 0.6m length and of specified dia., of tested quality conforming to IS 651 of 1965 including caulking with hemp yarn, jointing with CM 1:2 and testing with water etc. complete for: (Rate to include cost of jointing materials and transportation of pipes from store work site but excluding the cost of earth work) - Glazed Stone Ware pipe of 230 mm dia (P.No 159 I .No.7.3 BWSSB 2017-18)	Rmt	1678.20	108.00	1129.00	1,21,932.00	548.50	59,238.00	1677.50	1,81,170.00	
6	Supplying S&S RCC SPUN / VIBRATED CAST PIPES (REINFORCED) pipes NP-3 Class conforming to IS:458-1988 with latest amendments using ordinary portland cement, for sanitary works and conveying to work site, rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes and specials including cost of specials, perfect linking of joints with jack to correct position including cost of jointing materials, i.e, rubber rings conforming to IS: 5382 for S&S RCC pipes, with all leads and lifts as directed and giving necessary hydraulic test as per ISS to the required pressure and commissioning etc. complete. (Contractor will make his own arrangements for procuring water for testing). Before the execution of the work, the contractor shall carry out the survey and will be paid extra for the same as per seperate item.: RCC NP3 Class pipe of 300 mm dia. (Pg.No.158 , I.No. 5.2 of PW, P&IWTD SR 2017 - 18)	Rmt	417.00	1659.00	417.00	6,91,803.00	0.00	0.00	417.00	6,91,803.00	
7	Providing house connection with excavation in all types of soils without damaging the other utilities and supplying and laying 25 mm OD MDPE pipe (PE80) manufactured in accordance with ISO 4427 - 1996 with minimum required strength of 8 Mpa, hydraulic design stress of 6.3 Mpa and with minimum wall thickness of 2.3 mm by making the bore of 15 mm dia. size on the Board's supply mains of 100 mm dia. using drilling bits or machines only and laying the pipe line at a depth not less than 0.45 mtrs. from the road surface, including providing 40 mm dia. "A" class GI pipe as casing over the MDPE pipe from the bore point and upto the entrance of the premises and removing the stone slab covering of the drain and dismantling the size stone masonry wherever necessary and making bore in the wall of the premises. On entering the premises, connection should be continued with 20 mm GI pipe by making "U" shape for the meter point below the ground level by making pit with sufficient space for the easy installation and removal of the water meter and providing vertical stand pipes on both sides of the mater. The connection should be secured firmly on the Board's main pipe with SS / Brass . ferrule of size 1/2" x 3/4" and fixing the union joint and gate valve / stop cock before the meter point and a reflex valve / non-return valve should be fixed	Nos/Rmt	638.00	241.00	515.00	1,24,115.00	122.00	29,402.00	637.00	1,53,517.00	

Contractor

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Assistant Engineer

Assistant Executive Engineer

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8	KSRRB M400-6.1 : Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method For Grading-II Material (BwsSB SR 2016-17, P-280 I-2014)	Cum	282.85	1571.00	228.00	3,59,489.95	54.15	84,875.20	282.86	4,44,365.15	
9	Wet Mix Macadam. Providing,laying, spreading and compacting crushed stone aggregates of granite trap/basalt to wet mix macadam specifications including pre-mixing the material with water at OMC in mechanical mix plant carriage of 4 mixed method of tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406 (BwssB SR 2016-17)	Cum	471.42	1668.00	316.27	5,27,705.16	154.98	2,58,506.64	471.35	7,86,211.80	
10	Refilling pipeline and foundation with selected trenches available earth from trench excavation and foundation inlcuding 5 watering, consolidation in layers of 15cms., thickness including disposing off the surplus earth with all leads & lifts.(BwsSB SR 2016-17, P-9 I-2)	Cum	2157.65	62.00	1917.85	1,38,906.70	229.78	1,46,866.42	2157.65	1,33,773.02	
11	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc. IN DISINTEGRATED ROCK, SOFT ROCK, SOFT SHALE AND MEDIUM HARD ROCK COMPRISING OF LIME STONE, SAND STONE, HARD SHALE, SCHIEST, FISSURED ROCK without resorting to blast etc. for:Pipes of all dia. for depth upto 2.0 M. Note : If any shoring and strutting, will be paid separately.(BWSSB SR 2017-18, P-51 I No-2.1)	Cum	34.90	404.00	34.90	14,099.60	0.00	0.00	34.90	14,099.60	
12	Dismantling the damaged or collapsed manhole of 4" dia conical in shape and reconstructing the same with machine made wire 6 brick in CM (1:4) as per design and specification of new cut manhole 4" dia with old frame and cover excluding bed concrete 15.6 (BwssB SR 2016-17, P-47, I-42 WITH DEPTH	Nos	45.00	7258.00	31.00	2,26,098.00	172.00	1,82,296.00	45.00	3,06,294.00	

Contractor

Consultant

Assistant Engineer

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13	Providing and constructing "wire cut brick manhole chambers" using sulphate resistant cement, conical in shape at top with C.C. 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15 m alround the chamber and brick masonry in C.M. 1:4 plaster with wire cut bricks of approved quality and CM plaster 1:3 proportion 12 mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1:6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 graded metal of 20 mm and down size including conveying to work spot supplying & fixing SFRC manhole frame and cover confirming to IS:12592 with latest amendments in CC 1:2:4, supplying and fixing of minimum 3 mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia, Grade Fe-415 steel bar (as per IS 1786) staggered at 30 cms apart as detailed in Technical Specifications and as directed, watering, curring, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, dewatering, engraving manhole No. with flow irection on the inner conical surface etc., as per the drawing with wire cut bricks as per technical pecifications for the following diameters & depths by using Ordinary Port Land Cement. (inclusive of earthwork for all types of soil) (BwsSB SR 2017-18, P-80 1-83)	Nos									
	For 1.0 m depth		65.00	15704.00	54.00	8,48,016.00	11.00	1,72,744.00	65.00	10,20,760.00	
	For 1.5 m depth		15.00	21479.00	8.00	1,71,832.00	7.00	1,50,353.00	15.00	3,22,185.00	
	For 3 m depth		15.00	41745.00	12.00	5,00,940.00	3.00	1,25,235.00	15.00	6,26,175.00	
14	Disposong off the excess excavated earth of all type up to a distance mentioned Every Km beyond 5 KM 8 Considering 10 Km below by vehicle including loading unloading with all lifts labour HOM of machinery etc., complete (BWSSB SR 2016-17, Pg-10, Item-7)	Cum	1135.30	147.00	236.20	34,721.40	898.16	1,32,029.38	1134.36	1,66,750.78	
15	Hire Charges for 2HP dewatering pump to bail out water at leaking pits inclusive of hire charges etc, complete Rs.1300/- per day of 8hours shift per day (BWSSB SR 16-17 Sl.No-4, P-34)	Days	15.00	1300.00	12.00	15,600.00	3.00	3,900.00	15.00	19,500.00	
	EIRL Items										

Assistant Executive Engineer,
R.R. Nagar Sub-division,
KRIDL, BBMP, Bangalore

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Assistant Executive Engineer

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EIRL-1	Providing and constructing "wire cut brick manhole chambers" using sulphate resistant cement, conical in shape at top with C.C. 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15 m alround the chamber and brick masonry in C.M. 1:4 plaster with wire cut bricks of approved quality and CM plaster 1:3 proportion 12 mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1:6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 graded metal of 20 mm and down size including conveying to work spot supplying & fixing SFRC manhole frame and cover confirming to IS:12592 with latest amendments in CC 1:2:4, supplying and fixing of minimum 3 mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia, Grade Fe-415 steel bar (as per IS 1786) staggered at 30 cms apart as detailed in Technical Specifications and as directed, watering, curring, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, dewatering, engraving manhole No. with flow irection on the inner conical surface etc., as per the drawing with wire cut bricks as per technical pecifications for the following diameters & depths by using Ordinary Port Land Cement. (inclusive of earthwork for all types of soil) (BwsSB SR 2017-18, P-80 I-83)-Constructing Brick Masonry Circular Manholes 1.2 m internal dia.& 4.0 M depth include SFRC F&C ((BWSSB SR 17-18 Sl.No-104, P-169 T300)	No's	6.00	59372.00	6.00	3,56,232.00	0.00	0.00	6.00	3,56,232.00	
	Sub-Total					54,44,204.70		15,95,154.00		70,39,358.70	
	12% GST on KPWD SR Items					8,669.25		9,943.50		18,612.75	
	4% KRIDL Charges					2,17,768.19		63,806.16		2,81,574.35	
	Total					56,70,642.14		16,68,903.66		73,39,545.80	
	Amount in Words	Rupees Sixteen Lakh Sixty Eight Thousand Nine Hundred Three and Paise Sixty Six Only									

Certificate:

1. Certified that the contractor has done the work satisfactorly
2. Certified that the debris has been removed from the site
3. Certified that the No dues from the contractor
4. Certified that the above item of the work were not claimed in any other bill

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Consultant

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Assistant Executive Engineer

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